

Report of Test

LLIA000550-005

Catalog Number: P5542/F11/D61/L404 Double Drum (Large)

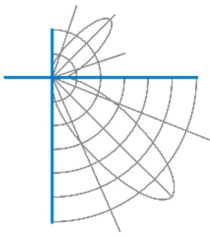
Pendant mounted, welded steel housing with white "lumenate" diffuser, translucent etched white acrylic bottom enclosure and translucent white acrylic top enclosure
Three Xicato XTM19803530CCA LEDs with white plastic globe enclosures. Each LED is rated at 18.9W, 700mA, 2100 lumens. One Inventronics EUC-075S210DT, LED driver
120.0Vac, 60.0Hz, 0.5405A, 64.46W, 0.994PF, 6.36% THD(i)



Performance Summary

Total Light Output	3368 lm
Luminaire Power	64.5 W
Luminous Efficacy	52.2 lm/W

PREPARED FOR : Lumetta, Inc, 33 Minnesota Avenue, Warwick, RI 02888, USA



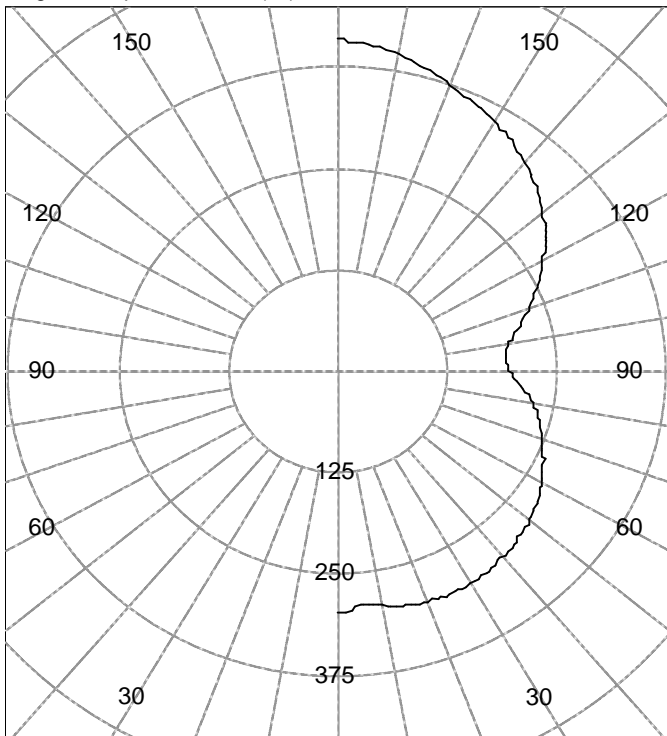
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Legend: All planes - Solid (cd)



(Rotational symmetry)

AVERAGE LUMINANCE (cd / m²)

Gamma	C0
45.0	461
55.0	417
65.0	381
75.0	353
85.0	321

INTENSITY SUMMARY (cd)

Gamma	All Planes	Flux (lm)	Gamma	C0	Flux (lm)
0	297		90	196	
5	287	28	95	192	211
10	293		100	197	
15	299	85	105	213	226
20	302		110	232	
25	303	140	115	251	249
30	301		120	270	
35	299	188	125	287	257
40	295		130	304	
45	291	225	135	319	247
50	285		140	333	
55	277	248	145	345	216
60	268		150	355	
65	259	256	155	365	169
70	248		160	375	
75	237	250	165	385	109
80	225		170	396	
85	207	227	175	404	38
90	196		180	407	

ZONAL FLUX AND PERCENTAGES

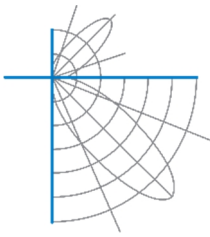
Zone	Flux (lm)	%Lamp	%Luminaire
0-30	252	N / A	7.5
0-40	440	N / A	13.1
0-60	913	N / A	27.1
0-90	1646	N / A	48.9
40-90	1207	N / A	35.8
60-90	733	N / A	21.8
90-180	1722	N / A	51.1
0-180	3368	N / A	100.0

Total Light Output = 3,368 lm

Signed:

Michael L. Grather
Authorized Signatory

Date of test 24-Mar-2016
Date of report 24-Mar-2016



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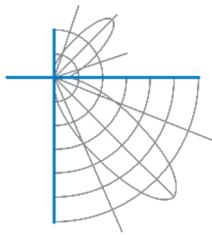
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120.0Vac, 60.0Hz, 0.5405A, 64.46W, 0.994PF, 6.36% THD(i)

Intensity (cd) and Flux (lm) data

Gamma	Intensity	Flux	Gamma	Intensity	Flux
0.0	297		90.0	196	
2.5	295		92.5	193	
5.0	287	28	95.0	192	
7.5	289		97.5	194	211
10.0	293		100.0	197	
12.5	296		102.5	205	
15.0	299	85	105.0	213	
17.5	301		107.5	222	226
20.0	302		110.0	232	
22.5	302		112.5	241	
25.0	303	140	115.0	251	
27.5	302		117.5	260	249
30.0	301		120.0	270	
32.5	300		122.5	279	
35.0	299	188	125.0	287	
37.5	297		127.5	296	257
40.0	295		130.0	304	
42.5	293		132.5	312	
45.0	291	225	135.0	319	
47.5	288		137.5	326	247
50.0	285		140.0	333	
52.5	281		142.5	339	
55.0	277	248	145.0	345	
57.5	273		147.5	350	216
60.0	268		150.0	355	
62.5	264		152.5	360	
65.0	259	256	155.0	365	
67.5	253		157.5	369	169
70.0	248		160.0	375	
72.5	242		162.5	380	
75.0	237	250	165.0	385	
77.5	231		167.5	391	109
80.0	225		170.0	396	
82.5	216		172.5	400	
85.0	207	227	175.0	404	
87.5	199		177.5	406	38
90.0	196		180.0	407	



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Coefficients Of Utilization - Zonal Cavity Method

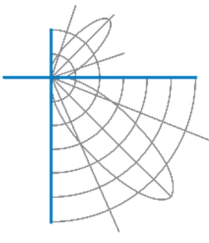
Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49
1	94	88	83	79	86	81	77	73	68	64	61	55	53	50	43	42	40	34
2	84	75	68	62	77	69	63	57	57	52	48	46	43	39	36	34	31	26
3	76	65	57	50	69	60	52	46	50	44	39	40	36	32	31	28	25	21
4	69	57	48	41	63	52	44	38	43	37	32	35	30	26	27	24	21	17
5	63	50	41	35	58	46	38	32	38	32	27	31	26	22	24	21	18	14
6	58	45	36	30	53	41	33	27	34	28	23	28	23	19	22	18	15	12
7	54	40	32	26	49	37	29	24	31	25	20	25	20	17	20	16	13	10
8	50	36	28	22	45	33	26	21	28	22	18	23	18	15	18	14	12	9
9	46	33	25	20	42	30	23	18	26	20	16	21	16	13	17	13	10	8
10	43	30	23	17	39	28	21	16	23	18	14	19	15	12	15	12	9	7

For absolute test reports, CUs are expressed as a percentage of total lumen output. Calculations were based on published IES procedures, and are based on the zonal cavity method. Basic assumptions: 1) Room surfaces are lambertian reflectors. 2) Incident flux on each surface is uniformly distributed. 3) The room is spectrally neutral. When luminaires are not evenly distributed throughout the room, or do not exhibit lateral symmetry, CU values may differ from actual performance.

Circle of Light Plot

Height(ft)	Illuminance at Nadir (fc)	Beam Width (across 50% Nadir Illum)	
		0-180	90-270
6.0	8.3	9.19	9.19
8.0	4.6	12.26	12.26
10.0	3.0	15.32	15.32
12.0	2.1	18.39	18.39
14.0	1.5	21.45	21.45
16.0	1.2	24.52	24.52

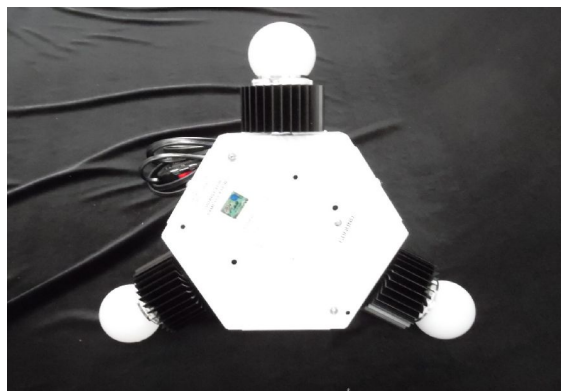


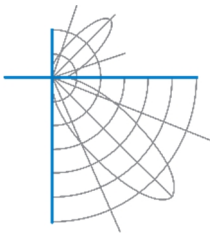
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Test Distance 9.5 m
Test Temperature 24.7 °C

Notes

The laboratory has not participated in the selection of samples to be tested. All testing is performed on the understanding that the significance of the report is limited to the extent that the test sample is representative of production units.

Tested in accordance with the applicable sections of publications: IES LM-79-08 (Sec. 12), IES LM-16-93, IES LM-58-13, CIE 13.3:1995, CIE 15:2004, ANSI C78.377:2011, ANSI C82.77:2002.

The luminous intensity values, and other derived quantities, contained in this report are based on the absolute data, as measured.

Prorating the performance of the sample for the use of other component combinations (such as lamp / LED / Ballast / driver), or for use in different environmental conditions than that tested, may produce erroneous results.

This report is free of erasures and corrections.

Photometric intensity values are reported using the CIE Gamma coordinate system as defined in CIE publication number 121.

This report may contain data that are not covered by the NVLAP accreditation. Quantities marked with * are not covered.

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